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Application Number	---															
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First Named Inventor	Joel F. Carpenter															
Art Unit	---															
Examiner Name	---															
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## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner  
Signature

Charles R. Richard

Date  
Considered

11/8/02

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filed 3/16/04

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTFirst Supplemental  
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Sheet

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of

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## Complete if Known

Application Number	10/802,349
Filing Date	March 16, 2004
First Named Inventor	Joel F. Carpenter
Art Unit	
Examiner Name	

Attorney Docket Number

BR-7283

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
CMR	US-11	US-3170883	02-23-1965	Owen et al.	
	US-12	US-3328294	06-27-1967	Self et al.	
	US-13	US-3558503	01-26-1971	Goodenough et al.	
	US-14	US-3767586	10-23-1973	Rutkiewic	
	US-15	US-4465598	08-14-1984	Darlington et al.	
	US-16	US-4822513	04-18-1989	Corby	
	US-17	US-4935153	06-19-1990	Favstritsky et al.	
	US-18	US-4995987	02-26-1991	Whitekettle et al.	
	US-19	US-5047164	09-10-1991	Corby	
	US-20	US-5141652	08-25-1992	Moore Jr., et al.	
	US-21	US-5202047	04-13-1993	Corby	
	US-22	US-5443849	08-22-1995	Corby	
	US-23	US-5464636	11-07-1995	Hight et al.	
	US-24	US-5527547	06-18-1996	Hight et al.	
	US-25	US-5683654	11-04-1997	Dallmier et al.	
	US-26	US-5795487	08-18-1998	Dallmier et al.	
	US-27	US-5942126	08-24-1999	Dallmier et al.	
	US-28	US-6007726	12-28-1999	Yang et al.	
	US-29	US-6015782	01-18-2000	Petri et al.	
	US-30	US-6037318	03-14-2000	Na et al.	
	US-31	US-6068861	05-30-2000	Moore, Jr. et al.	
	US-32	US-6110387	08-29-2000	Choudhury et al.	
	US-33	US-6123870	09-26-2000	Yang et al.	
	US-34	US-6156229	12-05-2000	Yang et al.	
	US-35	US-6162371	12-19-2000	Rees et al.	
	US-36	US-6267897 B1	07-31-2001	Robertson et al.	
	US-37	US-6270722 B1	08-07-2001	Yang et al.	
	US-38	US-6287473 B1	09-11-2001	Yang et al	
	US-39	US-6299909 B1	10-09-2001	Moore, Jr. et al.	
	US-40	US-6306441 B1	11-23-2001	Moore, Jr. et al.	
	US-41	US-6322822 B1	11-27-2001	Moore, Jr. et al.	
	US-42	US-6447722 B1	09-10-2002	Rakeshaw	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
CMR	FP-1	WO-90/15780	12-27-1990	University of Houston		
CMR	FP-2	WO-99/06320	02-11-1999	Nalco Chemical Co.		
CMR	FP-3	WO-99/32596	07-01-1999	S.C. Johnson & Son, Inc.		
CMR	FP-4	WO-99/55627	11-04-1999	Nalco Chemical Co.		
CMR	FP-5	WO-00/34186	06-15-2000	Stellar Technology Co.		
CMR	FP-6	WO 02/079105 A1	10-10-2002	Ondeo Nalco Company		
CMR	FP-7	WO 2004/039159 A1	03-13-2004	Albemarle Corporation		

Examiner Signature

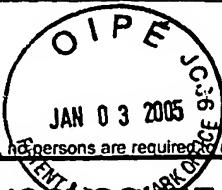
Charles M. Richard

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**Substitute for form 1449/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**First Supplemental**  
*(use as many sheets as necessary)*

Sheet 2 of 2

<p>Substitute for form 1449/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>First Supplemental (use as many sheets as necessary)</p>		<p><b>Complete if Known</b></p> <table border="1"> <tr> <td>Application Number</td> <td>10/802,349</td> </tr> <tr> <td>Filing Date</td> <td>March 16, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Joel F. Carpenter</td> </tr> <tr> <td>Group Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>BR-7283</td> </tr> </table>		Application Number	10/802,349	Filing Date	March 16, 2004	First Named Inventor	Joel F. Carpenter	Group Art Unit		Examiner Name		Attorney Docket Number	BR-7283
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## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T-2
<i>CMK</i>	L-1	Kim, Yong H., "Evaluation of Redox Potential and Chlorine Residual as a Measure of Water Disinfection", IWC-93-22, Engineers Society of Western Pennsylvania, Pittsburgh PA, 1993, ppg 108-113.	
<i>CMK</i>	L-2	McCune, Conwell C., "Seawater Injection Experience - An Overview", Journal of Petroleum Technology, October 1982, ppg 2265-2270.	
<i>CMK</i>	L-3	Mitchell, R.W., "The Forties Field Sea-Water Injection System", Journal of Petroleum Technology, June 1978, ppg 877-884.	

Examiner Signature	Charles - Richard	Date Considered	11/01/05
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